

EXHIBIT 1

###

Tue Feb 5 15:21:51 2002 [BLASTN 2.2.1 [Jul-12-2001], NCBI]

/home/ruby/va/Molbio/carpenda/tempids/ss.DNA82340 (1102 bp)
/home/ruby/va/Molbio/carpenda/tempids/ss.DNA82340

Sequences producing High-scoring Segment Pairs:	Frame	Score	Match	Pct	E-val
1 P_AAF92125 Human PRO1926 cDNA.	+	1094	1094	100	0.0
2 P_AAS46118 Human DNA encoding PRO polypeptide seque	+	1094	1094	100	0.0
3 P_AAC59825 Human secreted protein encoding DNA clon	+	1086	1092	100	0.0
4 P_AAV34218 Human secreted protein gene 65 clone HSR	+	1069	1076	100	0.0
5 HSA250344 Homo sapiens mRNA for chromosome 11 hypo	+	1064	1070	100	0.0
6 AF242729 Homo sapiens HT022 mRNA, complete cds.	+	1048	1055	100	0.0
7 P_AAH24361 Human hARP-20kDs protein cDNA.	+	1046	1046	100	0.0
8 BC012456 Homo sapiens, clone IMAGE:3882530, mRNA,	+	1031	1037	100	0.0
9 HSA245874 Homo sapiens mRNA for putative ATG/GTP b	+	1020	1022	100	0.0

GenBank (Release 143, aug 2004)

1094 100 0.0

P_AAF92125 Human PRO1926 cDNA. 094 bp, cDNA, PAT 15-MAY-2001

ACCESSION P_AAF92125

KEYWORDS GENESEQ; Human; PRO protein; mapping; patent; patentdb (v200420, 23-SEP-2004).

SOURCE Homo sapiens.

ORGANISM Homo sapiens.

REFERENCE 1 (bases 1 to 1094)

AUTHORS Eaton,D.L., Filvaroff,E., Gerritsen,M.E., Goddard,A.,
Godowski,P.J. Grimaldi,C.J., Gurney,A.L., Watanabe,C.K.,
Wood,W.I.

TITLE Eighty four nucleic acids encoding PRO polypeptides, useful in
molecular biology, including use as hybridization probes, and in
chromosome and gene mapping.

JOURNAL Patent: WO200116318-A2; Filing Date: 24-AUG-2000; 2000WO-US023328;
Publication Date: 08-MAR-2001; Priority: 01-SEP-1999;
99WO-US020111. 15-SEP-1999; 99WO-US021090. 07-DEC-1999;
99US-0169495P. 09-DEC-1999; 99US-0170262P. 11-JAN-2000;
2000US-0175481P. 18-FEB-2000; 2000WO-US004341. 18-FEB-2000;
2000WO-US004342. 22-FEB-2000; 2000WO-US004414. 01-MAR-2000;
2000WO-US005601. 03-MAR-2000; 2000US-0187202P. 21-MAR-2000;
2000US-0191007P. 30-MAR-2000; 2000WO-US008439. 25-APR-2000;
2000US-0199397P. 22-MAY-2000; 2000WO-US014042. 05-JUN-2000;
2000US-0209832P; Assignee: (GETH) GENENTECH INC; Cross Reference:
WPI; 2001-183260/18. P-PSDB; AAB87593; Patent Format: Claim 2; Fig
135; 278pp; English.

COMMENT The present sequence is the coding sequence for a human PRO
polypeptide (secreted and transmembrane). The PRO protein, and PRO
agonists, PRO antagonists or anti-PRO antibodies are useful for
preparation of a medicament useful in the treatment of a condition
which is responsive to the PRO protein, agonists, antagonists or
anti-PRO antibodies. The PRO protein may also be employed as
molecular weight markers for protein electrophoresis. The PRO
coding sequence has applications in molecular biology, including
use as hybridisation probes, and in chromosome and gene mapping

FEATURES Location/Qualifiers

BASE COUNT 311 a 214 c 271 g 298 t

ORIGIN

1094 100 0.0
P_AAS46118 Human DNA encoding PRO polypeptide sequence #194. 094 bp,
CDNA, PAT 18-DEC-2001
ACCESSION P_AAS46118
KEYWORDS GENESEQ; PRO polypeptide; mammal; tumour; cancer; human; cattle;
horse; sheep; ss; dog; cat; pig; goat; rabbit; tumour necrosis
factor alpha; TNF-alpha; blood; chondrocyte cell; cell
proliferation; cell differentiation; colon; adrenal; lung; breast;
prostate; rectum; cervix; liver; genetic disorder; PCR primer;
patent; patentdb (v200420, 23-SEP-2004).
SOURCE Homo sapiens.
ORGANISM Homo sapiens.
REFERENCE 1 (bases 1 to 1094)
AUTHORS Baker,K.P., Chen,J., Desnoyers,L., Goddard,A., Godowski,P.J.,
Gurney,A.L. Pan,J., Smith,V., Watanabe,C.K., Wood,W.I., Zhang,Z.
TITLE Novel nucleic acids encoding PRO polypeptides, used to diagnose the
presence of tumors, such as prostate and breast tumors, in mammals
and to screen for modulators of the compounds.
JOURNAL Patent: WO200168848-A2; Filing Date: 28-FEB-2001; 2001WO-US006520;
Publication Date: 20-SEP-2001; Priority: 01-MAR-2000;
2000WO-US005601. 02-MAR-2000; 2000WO-US005841. 03-MAR-2000;
2000US-0187202P. 06-MAR-2000; 2000US-0186968P. 14-MAR-2000;
2000US-0189320P. 14-MAR-2000; 2000US-0189328P. 15-MAR-2000;
2000WO-US006884. 21-MAR-2000; 2000US-0190828P. 21-MAR-2000;
2000US-0191007P. 21-MAR-2000; 2000US-0191048P. 21-MAR-2000;
2000US-0191314P. 28-MAR-2000; 2000US-0192655P. 29-MAR-2000;
2000US-0193032P. 29-MAR-2000; 2000US-0193053P. 30-MAR-2000;
2000WO-US008439. 04-APR-2000; 2000US-0194449P. 04-APR-2000;
2000US-0194647P. 11-APR-2000; 2000US-0195975P. 11-APR-2000;
2000US-0196000P. 11-APR-2000; 2000US-0196187P. 11-APR-2000;
2000US-0196690P. 11-APR-2000; 2000US-0196820P. 18-APR-2000;
2000US-0198121P. 18-APR-2000; 2000US-0198585P. 25-APR-2000;
2000US-0199397P. 25-APR-2000; 2000US-0199550P. 25-APR-2000;
2000US-0199654P. 03-MAY-2000; 2000US-0201516P. 17-MAY-2000;
2000WO-US013705. 22-MAY-2000; 2000WO-US014042. 30-MAY-2000;
2000WO-US014941. 02-JUN-2000; 2000WO-US015264. 05-JUN-2000;
2000US-0209832P. 28-JUL-2000; 2000WO-US020710. 22-AUG-2000;
2000US-00644848. 24-AUG-2000; 2000WO-US023328. 08-NOV-2000;
2000WO-US030952. 01-DEC-2000; 2000WO-US032678. 20-DEC-2000;
2000WO-US034956; Assignee: (GETH) GENENTECH INC; Cross Reference:
WPI; 2001-602746/68. P-PSDB; AAU29217; Patent Format: Claim 2; Fig
387; 774pp; English.
COMMENT Sequences AAS45925-AAS46231 represent DNA molecules encoding and PCR
primers for PRO polypeptides of the invention. The sequences of the
invention can be used to detect the presence of a tumour in a mammal
by comparing the level of expression of a PRO polypeptide in a test
sample of cells from the animal and a control sample of normal
cells, whereby a higher level of expression in the test sample
indicates the presence of a tumour in the mammal. Mammals include
dogs, cats, cattle, horses, sheep, pigs, goats and rabbits but are
preferably human. The polypeptides can be used to stimulate tumour
necrosis factor (TNF) alpha release from human blood, when
contacted with it. A specific polypeptide can be used to stimulate
the proliferation or differentiation of chondrocyte cells. The PRO
proteins can be used to determine the presence of tumours and also
susceptibility to tumour development, particularly adrenal, lung,

colon, breast, prostate, rectal, cervical, or liver tumours, in mammalian subjects. The oligonucleotide probes specific for the PRO nucleic acids can be used for genetic analysis of individuals with genetic disorders

FEATURES Location/Qualifiers

BASE COUNT 311 a 214 c 271 g 298 t

ORIGIN

1092 100 0.0

P_AAC59825 Human secreted protein encoding DNA clone vo25 1. 159 bp,
DNA, PAT 26-JAN-2001

ACCESSION P_AAC59825

KEYWORDS GENESEQ; Secreted protein; human; autoimmune disorder; multiple sclerosis; ulcer; systemic lupus erythematosus; rheumatoid arthritis; anaemia; stroke; haematopoiesis regulation; tissue regrowth; wound healing; haemophilia; Alzheimer's disease; Parkinson's disease; Shy-drager syndrome; cancer; contraceptive; infection; growth inhibition; hyperproliferative disorder; psoriasis; patent; patentdb (v200420, 23-SEP-2004).

SOURCE Homo sapiens.

ORGANISM Homo sapiens.

REFERENCE 1 (bases 1 to 1159)

AUTHORS Valenzuela,D., Yuan,O., Hoffman,H., Hall,J., Rapiejko,P.

TITLE Novel proteins and polypeptides useful for the treatment of e.g multiple sclerosis, systemic lupus erythmatosus, rheumatoid arthritis, cancer, Alzheimer's disease, Parkinson's disease, stroke, anemia and ulcers.

JOURNAL Patent: WO200055375-A1; Filing Date: 17-MAR-2000; 2000WO-US007285; Publication Date: 21-SEP-2000; Priority: 17-MAR-1999; 99US-0124808P. 17-MAR-1999; 99US-0124916P. 17-AUG-1999; 99US-0149639P. 01-OCT-1999; 99US-0157247P. 29-NOV-1999; 99US-0167824P. 15-FEB-2000; 2000US-0182711P; Assignee: (ALPH-) ALPHAGENE INC; Cross Reference: WPI; 2000-638211/61. P-PSDB; AAB34724; Patent Format: Claim 84; Page 437; 493pp; English.

COMMENT This invention relates to 59 human secreted proteins and the nucleotide sequences encoding them. Sequences AAC59788-C59846 and AAB34687-B34745 represent the proteins and their encoding nucleotide sequences, and sequences AAB34746-B34771 represent fragments of the proteins. Probes for the DNA sequences are represented by sequences AAC59847-C59596. The proteins exhibit neuroprotective, dermatological, immunosuppressive, antiinflammatory, antianaemic, nootropic, antiparkinsonian, cerebroprotective, haemostatic, vulnerary, cytostatic, antipsoriatic, antibacterial, virucide, and fungicide activity. The proteins and nucleotide sequences are useful as nutritional sources or supplements and in research. The proteins are useful for treating immune deficiency and disorders, which may be genetic or resulting from infections, autoimmune disorders such as multiple sclerosis, systemic lupus erythmatosus, rheumatoid arthritis, and for treating myeloid or lymphoid cell deficiencies such as anaemias by regulating haematopoiesis. The proteins are also useful in compositions for bone, cartilage, tendon, ligament and/or nerve tissue growth or regeneration, for wound healing, tissue repair and replacement and in the treatment of wounds, incisions and ulcers. Other uses include in the treatment of central and peripheral nervous system and neuropathies such as Alzheimer's and Parkinson's diseases and Shy-Drager syndrome, and mechanical and traumatic

disorders, such as spinal cord disorders, head trauma and stroke. The proteins may also be used as a contraceptive, and for treating coagulation disorders such as haemophilias. The protein and nucleotide sequences with cadherin activity are useful for treating cancer. Other uses for the protein include for inhibiting the growth, infection or function of, or killing, infectious agents such as bacteria, virus, fungi and other parasites, for effecting bodily characteristics such as height, weight, hair colour, effecting biorhythms or cardiac cycles or rhythms, effecting metabolism, catabolism, anabolism, processing, utilization, storage or elimination of dietary fat, lipid, protein, carbohydrate, vitamins, minerals, cofactors, effecting behavioural characteristics, providing analgesic effects and for treating hyperproliferative disorders such as psoriasis

FEATURES Location/Qualifiers

BASE COUNT 333 a 226 c 298 g 302 t

ORIGIN

1076 100 0.0

P_AAV34218 Human secreted protein gene 65 clone HSREG44. 133 bp,
DNA, PAT 25-MAR-2003

ACCESSION P_AAV34218

KEYWORDS GENESEQ; Human; secreted protein; fusion protein; gene therapy; protein therapy; diagnosis; tissue; cancer; tumour; neurodegenerative disorder; leukaemia; developmental abnormality; foetal deficiency; blood; allergy; renal; ds; immune system; asthma; lymphocytic disease; brain; hepatic; lymphoma; inflammation; ischaemic shock; Alzheimer's disease; restenosis; AIDS; cognitive disorder; schizophrenia; prostate; obesity; osteoclast; thymus; osteoporosis; arthritis; testis; lung; thyroiditis; thyroid; digestion; endocrine; metabolism; regulation; malabsorption; gastritis; neoplasm; patent; patentdb (v200420, 23-SEP-2004).

SOURCE Homo sapiens.

ORGANISM Homo sapiens.

REFERENCE 1 (bases 1 to 1133)

AUTHORS Ruben,S.M., Rosen,C.A., Fischer,C.L., Soppet,D.R., Carter,K.C. Bednarik,D.P., Endress,G.A., Yu,G., Ni,J., Feng,P., Young,P.E., Greene,J.M. Ferrie,A.M., Duan,R., Hu,J., Florence,K.A., Olsen,H.S., Ebner,R., Brewer,L.A. Moore,P.A., Shi,Y., Lafleur,D.W., Li,Y., Zeng,Z., Kyaw,H.

TITLE New isolated human genes and the secreted polypeptides they encode - useful for diagnosis and treatment of e.g. cancers, neurological disorders, immune diseases, inflammation or blood disorders.

JOURNAL Patent: WO9839446-A2; Filing Date: 06-MAR-1998; 98WO-US004482; Publication Date: 11-SEP-1998; Priority: 07-MAR-1997;

97US-0038621P. 07-MAR-1997; 97US-0040161P. 07-MAR-1997;
97US-0040162P. 07-MAR-1997; 97US-0040163P. 07-MAR-1997;
97US-0040333P. 07-MAR-1997; 97US-0040334P. 07-MAR-1997;
97US-0040336P. 07-MAR-1997; 97US-0040626P. 11-APR-1997;
97US-0043311P. 11-APR-1997; 97US-0043312P. 11-APR-1997;
97US-0043313P. 11-APR-1997; 97US-0043314P. 11-APR-1997;
97US-0043315P. 11-APR-1997; 97US-0043568P. 11-APR-1997;
97US-0043569P. 11-APR-1997; 97US-0043576P. 11-APR-1997;
97US-0043578P. 11-APR-1997; 97US-0043580P. 11-APR-1997;
97US-0043669P. 11-APR-1997; 97US-0043670P. 11-APR-1997;
97US-0043671P. 11-APR-1997; 97US-0043672P. 11-APR-1997;
97US-0043674P. 23-MAY-1997; 97US-0047492P. 23-MAY-1997;

97US-0047500P. 23-MAY-1997; 97US-0047501P. 23-MAY-1997;
 97US-0047502P. 23-MAY-1997; 97US-0047503P. 23-MAY-1997;
 97US-0047581P. 23-MAY-1997; 97US-0047582P. 23-MAY-1997;
 97US-0047583P. 23-MAY-1997; 97US-0047584P. 23-MAY-1997;
 97US-0047585P. 23-MAY-1997; 97US-0047586P. 23-MAY-1997;
 97US-0047587P. 23-MAY-1997; 97US-0047588P. 23-MAY-1997;
 97US-0047589P. 23-MAY-1997; 97US-0047590P. 23-MAY-1997;
 97US-0047592P. 23-MAY-1997; 97US-0047593P. 23-MAY-1997;
 97US-0047594P. 23-MAY-1997; 97US-0047595P. 23-MAY-1997;
 97US-0047596P. 23-MAY-1997; 97US-0047597P. 23-MAY-1997;
 97US-0047598P. 23-MAY-1997; 97US-0047599P. 23-MAY-1997;
 97US-0047600P. 23-MAY-1997; 97US-0047601P. 23-MAY-1997;
 97US-0047612P. 23-MAY-1997; 97US-0047613P. 23-MAY-1997;
 97US-0047614P. 23-MAY-1997; 97US-0047615P. 23-MAY-1997;
 97US-0047617P. 23-MAY-1997; 97US-0047618P. 23-MAY-1997;
 97US-0047632P. 23-MAY-1997; 97US-0047633P. 06-JUN-1997;
 97US-0048964P. 06-JUN-1997; 97US-0048974P. 22-AUG-1997;
 97US-0056630P. 22-AUG-1997; 97US-0056631P. 22-AUG-1997;
 97US-0056632P. 22-AUG-1997; 97US-0056636P. 22-AUG-1997;
 97US-0056637P. 22-AUG-1997; 97US-0056662P. 22-AUG-1997;
 97US-0056664P. 22-AUG-1997; 97US-0056845P. 22-AUG-1997;
 97US-0056862P. 22-AUG-1997; 97US-0056864P. 22-AUG-1997;
 97US-0056872P. 22-AUG-1997; 97US-0056874P. 22-AUG-1997;
 97US-0056875P. 22-AUG-1997; 97US-0056876P. 22-AUG-1997;
 97US-0056877P. 22-AUG-1997; 97US-0056878P. 22-AUG-1997;
 97US-0056879P. 22-AUG-1997; 97US-0056880P. 22-AUG-1997;
 97US-0056881P. 22-AUG-1997; 97US-0056882P. 22-AUG-1997;
 97US-0056884P. 22-AUG-1997; 97US-0056886P. 22-AUG-1997;
 97US-0056887P. 22-AUG-1997; 97US-0056888P. 22-AUG-1997;
 97US-0056889P. 22-AUG-1997; 97US-0056892P. 22-AUG-1997;
 97US-0056893P. 22-AUG-1997; 97US-0056894P. 22-AUG-1997;
 97US-0056903P. 22-AUG-1997; 97US-0056908P. 22-AUG-1997;
 97US-0056909P. 22-AUG-1997; 97US-0056910P. 22-AUG-1997;
 97US-0056911P. 05-SEP-1997; 97US-0057650P. 05-SEP-1997;
 97US-0057761P; Assignee: (HUMA-) HUMAN GENOME SCI INC; Cross
 Reference: WPI; 1998-609887/51. P-PSDB; AAW75121; Patent Format:
 Claim 1; Page 220-221; 447pp; English.

COMMENT This sequence represents a nucleic acid molecule which encodes a
 secreted human protein. The gene number, and the clone it is derived
 from, are detailed in the descriptor line. The gene can be used to
 generate fusion proteins by linking to the gene to a human
 immunoglobulin Fc portion (e.g. AAV34145) for increasing the
 stability of the fused protein as compared to the human protein
 only. The invention relates to 70 novel genes and their fragments
 (nucleic acid sequences: AAV34154-V34276; amino acid sequences
 AAW75057-W75179) which are useful for preventing, treating or
 ameliorating medical conditions e.g. by protein or gene therapy.
 Also, pathological conditions can be diagnosed by determining the
 amount of the new polypeptides in a sample or by determining the
 presence of mutations in the new polynucleotides. Specific uses are
 described for each of the 70 polynucleotides, based on which
 tissues they are most highly expressed in (see AAV34154 for
 described uses). (Updated on 25-MAR-2003 to correct PF field.)
 (Updated on 25-MAR-2003 to correct PI field.)

FEATURES Location/Qualifiers
 BASE COUNT 311 a 227 c 287 g 306 t
 ORIGIN

1070 100 0.0
HSA250344 Homo sapiens mRNA for chromosome 11 hypothetical protein (ORF3).
1072 bp, mRNA, linear, PRI 14-JUL-2000

ACCESSION AJ250344
VERSION AJ250344.1 GI:8926688
KEYWORDS ORF3.
SOURCE Homo sapiens (human)
ORGANISM Homo sapiens
Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.

REFERENCE 1
AUTHORS O'Brien,K.P., Tapia-Paez,I., Stahle-Backdahl,M., Kedra,D. and
Dumanski,J.P.
TITLE Characterization of five novel human genes in the 11q13-q22 region
JOURNAL Biochem. Biophys. Res. Commun. 273 (1), 90-94 (2000)
MEDLINE 20334234
PUBMED 10873569

REFERENCE 2 (bases 1 to 1072)
AUTHORS O'Brien,K.P.
TITLE Direct Submission
JOURNAL Submitted (15-OCT-1999) O'Brien K.P., Molecular Medicine,
Karolinska Institute, CMM L8:00 Karolinska Hospital Stockholm
Sweden, S-171 76, Sweden

FEATURES Location/Qualifiers
source 1..1072
/organism="Homo sapiens"
/mol_type="mRNA"
/db_xref="taxon:9606"
/chromosome="11"
gene 1..1072
/gene="ORF3"
CDS 14..742
/gene="ORF3"
/function="Putative ATP/GTP-binding site motif A
containing cytoplasmic protein"
/codon_start=1
/product="hypothetical protein"
/protein_id="CAB96539.1"
/db_xref="GI:8926689"
/db_xref="GOA:Q9NPA0"
/db_xref="TrEMBL:Q9NPA0"
misc_feature 14..82
/gene="ORF3"
/note="Putative cleavable signal peptide (aa 1 to 23)"
misc_feature 698..722
/gene="ORF3"
/note="ATP/GTP-binding site motif A (P-loop) (aa 229-236
GSSKTGKS)"
polyA_signal 995..1000
/gene="ORF3"

BASE COUNT
ORIGIN

1055 100 0.0
AF242729 Homo sapiens HT022 mRNA, complete cds. 1083 bp,
mRNA, linear, PRI 02-JAN-2001

ACCESSION AF242729
 VERSION AF242729.1 GI:12005494
 KEYWORDS FLI_CDNA.
 SOURCE Homo sapiens (human)
 ORGANISM Homo sapiens
 Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
 Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.

REFERENCE 1 (bases 1 to 1083)
 AUTHORS Xu,X., Yang,Y., Gao,G., Xiao,H., Chen,Z. and Han,Z.
 TITLE Direct Submission
 JOURNAL Submitted (08-MAR-2000) Chinese National Human Genome Center at
 Shanghai, 351 Guo Shoujing Road, Zhangjiang Hi-Tech Park, Pudong,
 Shanghai 201203, People's Republic of China

FEATURES Location/Qualifiers
 source 1..1083
 /organism="Homo sapiens"
 /mol_type="mRNA"
 /db_xref="taxon:9606"
 /tissue_type="hypothalamus"
 CDS 51..779
 /codon_start=1
 /product="HT022"
 /protein_id="AAG44477.1"
 /db_xref="GI:12005495"

BASE COUNT
 ORIGIN

1046 100 0.0
 P_AAH24361 Human hARP-20kDs protein cDNA. 101 bp, cDNA, PAT 01-AUG-2001
 ACCESSION P_AAH24361
 KEYWORDS GENESEQ; Human; actin associated protein compound subunit protein;
 hARP-20kDs; hypothalamus; patent; patentdb (v200420, 23-SEP-2004).
 SOURCE Homo sapiens.
 ORGANISM Homo sapiens.
 REFERENCE 1 (bases 1 to 1101)
 AUTHORS Xu,X., Qian,B., Yang,Y.
 TITLE New human actin associated protein compound subunit protein, its
 coding sequence and preparing and detecting the protein and nucleic
 acid.
 JOURNAL Patent: CN1281040-A; Filing Date: 27-JUN-2000; 2000CN-00116787;
 Publication Date: 24-JAN-2001; Priority: 27-JUN-2000;
 2000CN-00116787; Assignee: (NANF-) NANFANG RES CENT STATE HUMAN GENE
 GROUP; Cross Reference: WPI; 2001-282650/30. P-PSDB; AAB97078;
 Patent Format: Claim 1; Page 16-17; 18pp; Chinese.

COMMENT The present sequence is provided in a specification relating to a
 new human actin associated protein compound subunit protein
 (hARP)-20kDs expressed in human hypothalamus and its coding
 sequence. The process for preparing the protein and its nucleic
 acid sequence and the method for detecting hARP-20kDs nucleic acid
 sequence and polypeptide are also disclosed

FEATURES Location/Qualifiers
 BASE COUNT 291 a 226 c 279 g 305 t
 ORIGIN

1037 100 0.0
 BC012456 Homo sapiens chromosome 15 open reading frame 24, mRNA (cDNA clone
 IMAGE:3882530), partial cds. 1039 bp, mRNA, linear, PRI 06-JUL-2004

ACCESSION BC012456
 VERSION BC012456.1 GI:15214654
 KEYWORDS .
 SOURCE Homo sapiens (human)
 ORGANISM Homo sapiens
 Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
 Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.

REFERENCE 1 (bases 1 to 1039)
 AUTHORS Strausberg,R.L., Feingold,E.A., Grouse,L.H., Derge,J.G.,
 Klausner,R.D., Collins,F.S., Wagner,L., Shenmen,C.M., Schuler,G.D.,
 Altschul,S.F., Zeeberg,B., Buetow,K.H., Schaefer,C.F., Bhat,N.K.,
 Hopkins,R.F., Jordan,H., Moore,T., Max,S.I., Wang,J., Hsieh,F.,
 Diatchenko,L., Marusina,K., Farmer,A.A., Rubin,G.M., Hong,L.,
 Stapleton,M., Soares,M.B., Bonaldo,M.F., Casavant,T.L.,
 Scheetz,T.E., Brownstein,M.J., Usdin,T.B., Toshiyuki,S.,
 Carninci,P., Prange,C., Raha,S.S., Loquellano,N.A., Peters,G.J.,
 Abramson,R.D., Mullahy,S.J., Bosak,S.A., McEwan,P.J.,
 McKernan,K.J., Malek,J.A., Gunaratne,P.H., Richards,S.,
 Worley,K.C., Hale,S., Garcia,A.M., Gay,L.J., Hulyk,S.W.,
 Villalon,D.K., Muzny,D.M., Sodergren,E.J., Lu,X., Gibbs,R.A.,
 Fahey,J., Helton,E., Kettelman,M., Madan,A., Rodrigues,S.,
 Sanchez,A., Whiting,M., Madan,A., Young,A.C., Shevchenko,Y.,
 Bouffard,G.G., Blakesley,R.W., Touchman,J.W., Green,E.D.,
 Dickson,M.C., Rodriguez,A.C., Grimwood,J., Schmutz,J., Myers,R.M.,
 Butterfield,Y.S., Krzywinski,M.I., Skalska,U., Smailus,D.E.,
 Schnerch,A., Schein,J.E., Jones,S.J. and Marra,M.A.

TITLE Generation and initial analysis of more than 15,000 full-length
 human and mouse cDNA sequences

JOURNAL Proc. Natl. Acad. Sci. U.S.A. 99 (26), 16899-16903 (2002)
 PUBMED 12477932

REFERENCE 2 (bases 1 to 1039)
 AUTHORS Strausberg,R.
 TITLE Direct Submission
 JOURNAL Submitted (15-AUG-2001) National Institutes of Health, Mammalian
 Gene Collection (MGC), Cancer Genomics Office, National Cancer
 Institute, 31 Center Drive, Room 11A03, Bethesda, MD 20892-2590,
 USA

REMARK NIH-MGC Project URL: <http://mgc.nci.nih.gov>
 COMMENT Contact: MGC help desk
 Email: cgapbs-r@mail.nih.gov
 Tissue Procurement: DCTD/DTP/Gazdar
 cDNA Library Preparation: Life Technologies, Inc.
 cDNA Library Arrayed by: The I.M.A.G.E. Consortium (LLNL)
 DNA Sequencing by: Baylor College of Medicine Human Genome
 Sequencing Center
 Center code: BCM-HGSC
 Web site: <http://www.hgsc.bcm.tmc.edu/cdna/>
 Contact: amg@bcm.tmc.edu
 Gunaratne, P.H., Garcia, A.M., Lu, X., Hulyk, S.W., Loulseged, H.,
 Kowis, C.R., Sneed, A.J., Martin, R.G., Muzny, D.M., Nanavati,
 A.N., Gibbs, R.A.

Clone distribution: MGC clone distribution information can be found
 through the I.M.A.G.E. Consortium/LLNL at: <http://image.llnl.gov>
 Series: IRAK Plate: 21 Row: p Column: 20.

FEATURES Location/Qualifiers
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BASE COUNT
ORIGIN

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          1035 bp, mRNA, linear, PRI 03-AUG-2000
ACCESSION  AJ245874
VERSION    AJ245874.1  GI:9715826
KEYWORDS   ORF1-FL1; putative ATG/GTP binding protein.
SOURCE     Homo sapiens (human)
ORGANISM   Homo sapiens
           Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
           Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
REFERENCE  1
AUTHORS    Ievolella,C. and Lanfranchi,G.
TITLE      Full-length of some new muscular transcript
JOURNAL    Unpublished
REFERENCE  2  (bases 1 to 1035)
AUTHORS    Ievolella,C.
TITLE      Direct Submission
JOURNAL    Submitted (11-AUG-1999) Ievolella C., CRIBI Biotechnology Centre,
           Universita' di Padova, via G. Colombo 3, 35121, ITALY
FEATURES   Location/Qualifiers
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BASE COUNT
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